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**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/065,672**DATE: 04/30/98
TIME: 15:02:50**INPUT SET: S25446.raw**

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

1 **SEQUENCE LISTING**
2
3 (1) **General Information**
4
5 (i) **APPLICANT:** BILLING-MEDEL, PATRICIA
6 COHEN, MAURICE
7 COLPITTS, TRACEY L.
8 FRIEDMAN, PAULA N.
9 KLASS, MICHAEL R.
10 ROBERTS-RAPP, LISA
11 RUSSELL, JOHN C.
12 STROUPE, STEPHEN D.
13
14 (ii) **TITLE OF THE INVENTION:** REAGENTS AND METHODS USEFUL
15 FOR DETECTING DISEASES OF THE PROSTATE
16
17 (iii) **NUMBER OF SEQUENCES:** 16
18
19 (iv) **CORRESPONDENCE ADDRESS:**
20 (A) **ADDRESSEE:** Abbott Laboratories
21 (B) **STREET:** 100 Abbott Park Road
22 (C) **CITY:** Abbott Park
23 (D) **STATE:** IL
24 (E) **COUNTRY:** USA
25 (F) **ZIP:** 60064-3500
26
27 (v) **COMPUTER READABLE FORM:**
28 (A) **MEDIUM TYPE:** Diskette
29 (B) **COMPUTER:** IBM Compatible
30 (C) **OPERATING SYSTEM:** DOS
31 (D) **SOFTWARE:** FastSEQ for Windows Version 2.0
32
33 (vi) **CURRENT APPLICATION DATA:**
34 (A) **APPLICATION NUMBER:**
35 (B) **FILING DATE:**
36 (C) **CLASSIFICATION:**
37
38 (vii) **PRIOR APPLICATION DATA:**
39 (A) **APPLICATION NUMBER:** 08/838,968
40 (B) **FILING DATE:** 23-APR-1997
41
42
43
44 (viii) **ATTORNEY/AGENT INFORMATION:**
45 (A) **NAME:** Becker, Cheryl L.
46 (B) **REGISTRATION NUMBER:** 35,441

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47 (C) REFERENCE/DOCKET NUMBER: 6086.US.01
4849 (ix) TELECOMMUNICATION INFORMATION:
50 (A) TELEPHONE: 847/935-1729
51 (B) TELEFAX: 847/938-2623
52 (C) TELEX:
53
5455 (2) INFORMATION FOR SEQ ID NO:1:
5657 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 214 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
6364 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
6566 CTAAGGCGTG CAAACAGAGC GCCACTGGGA GGCTGAAACC TTTAGGCCGA TGCCTGCTTG 60
67 CAAGGTCAGG CAAGCTGGAT TCTGGTCCCC ACCTTTGCAG AGAGAACAGC GATGTTGTGC 120
68 GCCCATTCT CAGATCAAGG ACCGGCCCAT CTTACTACCT CCAAGAGTGC TTTTCTCTCT 180
69 AATAAGAAAA CATCTACTTT GAAACATCTA CTGG 21470 (2) INFORMATION FOR SEQ ID NO:2:
7172 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 339 base pairs
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
77
7879 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
8081 GACCAAACAG AGCGCCACTG GGAGGCTGAA ACCTTTAGGC CGATGCTTGC TTGCAAGGTC 60
82 AGGCAAGCTG GATTCTGGTC CCCACCTTTG CAGAGAGAAC AGCGATGTTG TGCGCCCATT 120
83 TCTCAGATCA AGGACCGGCC CATCTTACTA CCTCCAAGAG TGCTTTCTC TCTAATAAGA 180
84 AAACATCTAC TTTGAAACAT CTACTGGCG AGACCAGGAG TGATGGCTCA GCCTGTAATT 240
85 CTGGAATTTC GGGAGGCCGA GGCAGGAAGA TTCCTTGAGC ACAGGAGTTC CAGACCAGCC 300
86 TGGGCAATGT AGCAAGACGC TGTCTCTATT TATACAATA 339
87
8889 (2) INFORMATION FOR SEQ ID NO:3:
9091 (i) SEQUENCE CHARACTERISTICS:
92 (A) LENGTH: 205 base pairs
93 (B) TYPE: nucleic acid
94 (C) STRANDEDNESS: single
95 (D) TOPOLOGY: linear
96
9798 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
99

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100 GCAAACAGAG CGCCACTGGG AGGCTGAAAC CTTAGGCCG ATGCTTGCTT GCAAGGTCAG 60
101 GCAAGCTGGA TTCTGGTCCC CACCTTGCA GAGAGAACAG CGATGTTGTG CGCCCATTTC 120
102 TCAGATCAAG GACCGGCCA TCTTACTACC TCCAAGAGTG CTTTCTCTC TAATAAGAAA 180
103 ACATCTACTT TGAAACATCT ACTGG 205

104

105 (2) INFORMATION FOR SEQ ID NO:4:

106

107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 346 base pairs
109 (B) TYPE: nucleic acid
110 (C) STRANDEDNESS: single
111 (D) TOPOLOGY: linear

112

113

114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

115

116 CTAAGGCGTG CAAACAGAGC GCCACTGGGA GGCTGAAACC TTTAGGCCGA TGCCTGCTTG 60
117 CAAGGTCAGG CAAGCTGGAT TCTGGTCCCC ACCTTTGCAG AGAGAACAGC GATGTTGTGC 120
118 GCCCATTCT CAGATCAAGG ACCGGCCCAT CTTACTACCT CCAAGAGTGC TTTTCTCTC 180
119 AATAAGAAAA CATCTACTTT GAAACATCTA CTGGGCGAGA CCAGGAGTGA TGGCTCAGCC 240
120 TGTAATTCTG GAATTCGGG AGGCCGAGGC AGGAAGATTG CTTGAGCACCA GGAGTTCCAG 300
121 ACCAGCCTGG GCAATGTAGC AAGACGCTGT CTCTATTTAT ACAATA 346

122

123

(2) INFORMATION FOR SEQ ID NO:5:

124

125 (i) SEQUENCE CHARACTERISTICS:
126 (A) LENGTH: 346 base pairs
127 (B) TYPE: nucleic acid
128 (C) STRANDEDNESS: single
129 (D) TOPOLOGY: linear

130

131

132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

133

134 CTAAGGCGTG CAAACAGAGC GCCACTGGGA GGCTGAAACC TTTAGGCCGA TGCYTGCTTG 60
135 CAAGGTCAGG CAAGCTGGAT TCTGGTCCCC ACCTTTGCAG AGAGAACAGC GATGTTGTGC 120
136 GCCCATTCT CAGATCAAGG ACCGGCCCAT CTTACTACCT CCAAGAGTGC TTTTCTCTC 180
137 AATAAGAAAA CATCTACTTT GAAACATCTA CTGGGCGAGA CCAGGAGTGA TGGCTCAGCC 240
138 TGTAATTCTG GAATTCGGG AGGCCGAGGC AGGAAGATTG CTTGAGCACCA GGAGTTCCAG 300
139 ACCAGCCTGG GCAATGTAGC AAGACGCTGT CTCTATTTAT ACAATA 346

140

141

(2) INFORMATION FOR SEQ ID NO:6:

142

143

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 68 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

144

145

146

147

148

149

150

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

151

152 AGCTCGGAAT TCCGAGCTTG GATCCTCTAG AGCGGCCGCC GACTAGTGAG CTCGTCGACC 60

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153 CGGGAAATT

68

154

(2) INFORMATION FOR SEQ ID NO:7:

156

(i) SEQUENCE CHARACTERISTICS:

157

- (A) LENGTH: 68 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

162

163

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

165

166

AATTAATTCC CGGGTCGACG AGCTCACTAG TCGGCGGCCG CTCTAGAGGA TCCAAGCTCG
167 GAATTCCG

60

68

168

169

(2) INFORMATION FOR SEQ ID NO:8:

170

(i) SEQUENCE CHARACTERISTICS:

171

- (A) LENGTH: 24 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

176

177

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

178

179

AGCGGATAAC AATTCACAC AGGA

24

181

182

(2) INFORMATION FOR SEQ ID NO:9:

183

(i) SEQUENCE CHARACTERISTICS:

184

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

189

190

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

191

192

TGTAAAACGA CGGCCAGT

18

194

195

(2) INFORMATION FOR SEQ ID NO:10:

196

197

(i) SEQUENCE CHARACTERISTICS:

198

- (A) LENGTH: 18 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

202

203

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

204

205

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206 AAACCTTTAG GCCGATGC

18

207

(2) INFORMATION FOR SEQ ID NO:11:

209

(i) SEQUENCE CHARACTERISTICS:

210

- (A) LENGTH: 20 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

211

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214

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217

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

218

219

TCCCGAAATT CCAGAATTAC

20

220

221

(2) INFORMATION FOR SEQ ID NO:12:

222

223

(i) SEQUENCE CHARACTERISTICS:

224

225

226

227

- (A) LENGTH: 57 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

228

229

(ii) MOLECULE TYPE: None

230

231

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

232

Met Leu Cys Ala His Phe Ser Asp Gln Gly Pro Ala His Leu Thr Thr
1 5 10 15
Ser Lys Ser Ala Phe Leu Ser Asn Lys Lys Thr Ser Thr Leu Lys His
20 25 30
Leu Leu Gly Glu Thr Arg Ser Asp Gly Ser Ala Cys Asn Ser Gly Ile
35 40 45
Ser Gly Gly Arg Gly Arg Lys Ile Pro
50 55

241

242

(2) INFORMATION FOR SEQ ID NO:13:

243

244

(i) SEQUENCE CHARACTERISTICS:

245

246

247

248

- (A) LENGTH: 28 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

249

250

(ii) MOLECULE TYPE: None

251

252

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

253

Met Leu Cys Ala His Phe Ser Asp Gln Gly Pro Ala His Leu Thr Thr
1 5 10 15
Ser Lys Ser Ala Phe Leu Ser Asn Lys Lys Thr Ser
20 25

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**SEQUENCE VERIFICATION REPORT
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Line	Error	Original Text
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0 9 0 5 5 6 7 2 - 0 4 4 3 3 3 3 3